

King County DNRP Water Quality Index

STATION **VA42A** WATER YEAR **2014**

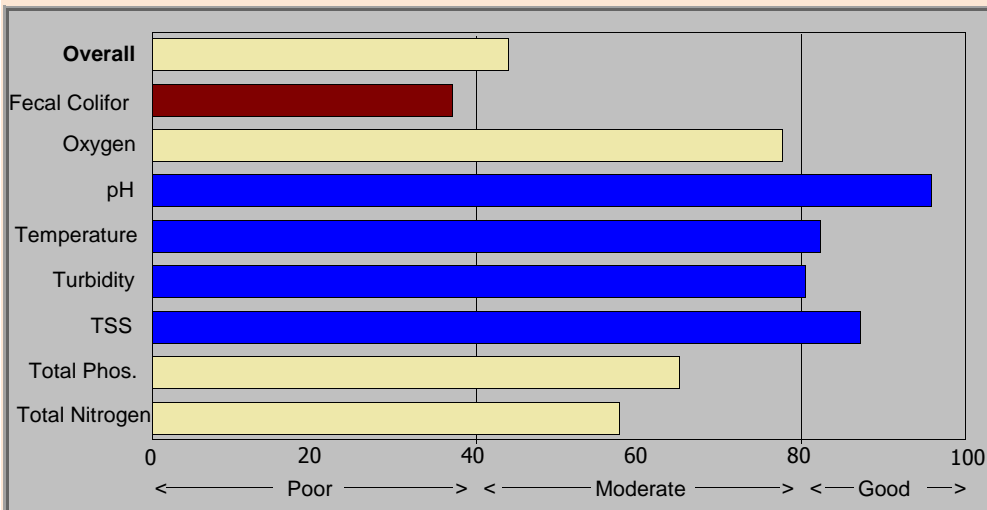
GAUGE # 28a Judd Creek, Vashon Island

Overall Index 44

Station VA42A is located upstream of the mouth of Judd Creek at the SW 225th Street crossing on private property on Vashon Island. Judd Creek empties into the northwest end of Quartermaster Harbor. All of Vashon-Maury Island is designated as rural and is therefore outside the urban growth boundary. Low-density residential development covers much of the island with zoning of one home per five and ten acres. Higher density residential areas are concentrated in the Vashon Town Center, Vashon Heights, Burton, Dockton, and along parts of the shoreline. Multifamily, commercial, and industrial uses are presently concentrated in the unincorporated town of Vashon and adjacent areas where sewer and other urban services are available. Approximately 73% of Vashon-Maury Island (37 mi² total) is forested. Salmon Watcher volunteers have reported seeing coho and chum salmon as well as coastal cutthroat trout in Judd Creek.

Annual Water Quality Index Scores

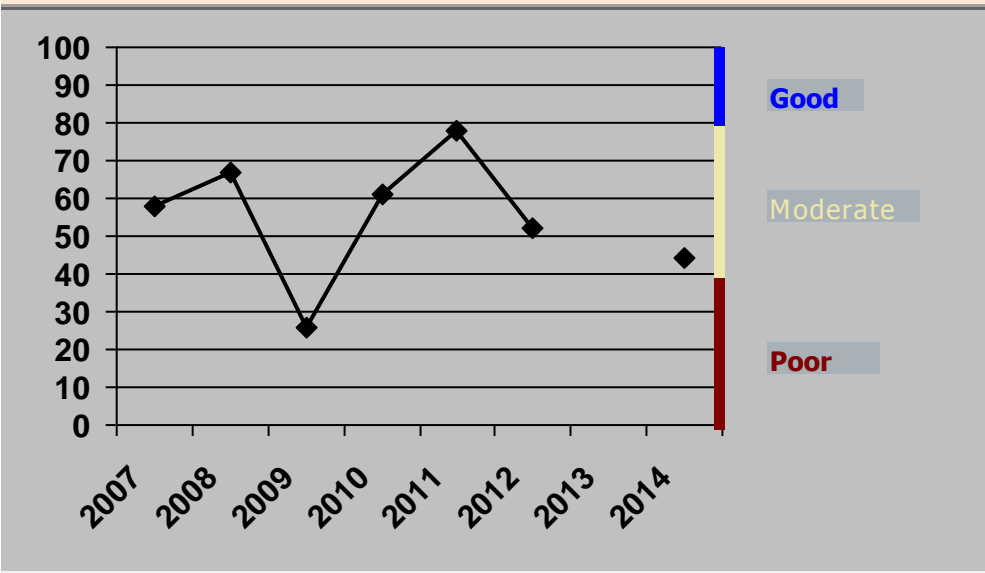
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
88	94	95	88	62	69	93	88	86	83	1	81

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>

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